ABSTRACT

Provided are HLA pan DR peptides and methods of using such peptides to modulate, block, or inhibit immune responses in treatment of immune-mediated diseases and conditions, such as inflammatory and autoimmune diseases, cancer, and microbial infections. The peptides and methods are useful diagnostically to screen peptide or peptide analogs that can inhibit the pathogenic immune response or upregulate an immune response against aberrant or invading cells, to monitor efficacy or therapeutic use and to identify other agents that may be effective to inhibit or modulate the immune response.